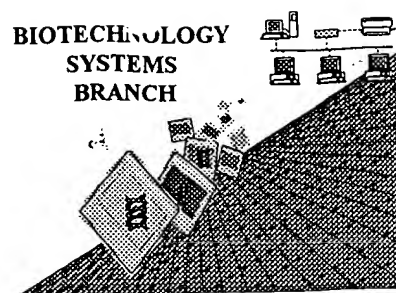


## **RAW SEQUENCE LISTING** **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/866,283  
Source: OIPE  
Date Processed by STIC: 6/15/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,283

DATE: 06/15/2001

TIME: 17:08:24

Input Set : A:\053560-5001.ST25.txt

Output Set: N:\CRF3\06152001\I866283.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: RUNDELL, Clark  
 4 GORDON, Joan  
 6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO NUCLEIC ACID REFERENCE  
 STANDARDS

8 <130> FILE REFERENCE: 053650-5001  
 OK> 10 <140> CURRENT APPLICATION NUMBER: US/09/866,283

11 &lt;141&gt; CURRENT FILING DATE: 2001-05-25

13 &lt;160&gt; NUMBER OF SEQ ID NOS: 7

15 &lt;170&gt; SOFTWARE: PatentIn version 3.0

17 &lt;210&gt; SEQ ID NO: 1

18 &lt;211&gt; LENGTH: 21

19 &lt;212&gt; TYPE: DNA

20 <213> ORGANISM: Artificial Sequence: *delete* Primer MMQCIFVFL

W--&gt; 22 &lt;220&gt; FEATURE:

W--&gt; 22 &lt;223&gt; OTHER INFORMATION: ←

22 &lt;400&gt; SEQUENCE: 1

23 cttcggcagt gatgtactg a

26 &lt;210&gt; SEQ ID NO: 2

27 &lt;211&gt; LENGTH: 22

28 &lt;212&gt; TYPE: DNA

29 <213> ORGANISM: Artificial Sequence: *delete* Primer MMQCIFVRL

W--&gt; 31 &lt;220&gt; FEATURE:

W--&gt; 31 &lt;223&gt; OTHER INFORMATION: ←

31 &lt;400&gt; SEQUENCE: 2

32 tgcaatatta attggttcca gc

35 &lt;210&gt; SEQ ID NO: 3

36 &lt;211&gt; LENGTH: 22

37 &lt;212&gt; TYPE: DNA

38 <213> ORGANISM: Artificial Sequence: *delete* PCR Primer

W--&gt; 40 &lt;220&gt; FEATURE:

W--&gt; 40 &lt;223&gt; OTHER INFORMATION: ←

40 &lt;400&gt; SEQUENCE: 3

41 gagagacatc gcctctgggc ta

44 &lt;210&gt; SEQ ID NO: 4

45 &lt;211&gt; LENGTH: 20

46 &lt;212&gt; TYPE: DNA

47 <213> ORGANISM: Artificial Sequence: *delete* PCR Primer

W--&gt; 49 &lt;220&gt; FEATURE:

W--&gt; 49 &lt;223&gt; OTHER INFORMATION: ←

49 &lt;400&gt; SEQUENCE: 4

50 tggttatcaca ctggtgctaa

53 &lt;210&gt; SEQ ID NO: 5

54 &lt;211&gt; LENGTH: 18

55 &lt;212&gt; TYPE: DNA

56 <213> ORGANISM: Artificial Sequence: *delete* PCR Primer

W--&gt; 58 &lt;220&gt; FEATURE:

W--&gt; 58 &lt;223&gt; OTHER INFORMATION: ←

58 &lt;400&gt; SEQUENCE: 5

*do not insert explanation  
 for Artificial Sequence  
 or for Unknown Sequence  
 on <213> line.*

*21 insert  
 C2207, then  
 on following  
 line,  
 22 insert C2237  
 and the  
 explanation*

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,283

DATE: 06/15/2001

TIME: 17:08:24

Input Set : A:\053560-5001.ST25.txt

Output Set: N:\CRF3\06152001\I866283.raw

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59 tggacaggcg aggaatac 18
62 <210> SEQ ID NO: 6
63 <211> LENGTH: 18
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence (PCR Primer)
W--> 67 <220> FEATURE:
W--> 67 <223> OTHER INFORMATION:
67 <400> SEQUENCE: 6
68 tggacaggca aggaatac 18
71 <210> SEQ ID NO: 7
72 <211> LENGTH: 780
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 7
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79 ttttttaggag ggttattacc catttgataa aaggaagaaa ttaggaaagg ctaatcaact 120
81 tgctcaacac atccaatacc aacagacctg gaatttgaaa ctaagacaaa atatgttattc 180
83 acactctaga cttgccttgc gcagtgatgg tactgataaa aatagacaag acaaaaaaaaa 240
85 aaaaagaata aatgttatca cactgggtgct aaaaaggact acttgacaat tactgtttctc 300
87 ttgaaggaaa tgccccatta tttagccagg agacctaaac tgttctagcc agaagaaatt 360
89 ctcaagaatt ctgaaagggt acttcaagga caaaatacct gtattccttg cctgtccagg 420
91 gatctgctct tacagattag aagtagtcct attagcccag aggcgatgtc tctcatgatg 480
93 tccacgtcac tgtagtatgg tcttgttaag cactgggcat cattttctgt gggttcatca 540
95 aactctaaga tgttccactt ataagtatag gtttcccctg gttgaactgc tctgatcatg 600
97 gtgttggttc tgccatgaaag aaaatatatt caaaattggt ttcatttgca aagttatttc 660
99 atgataataa ataaataaat aagcttttcgc tggaaaccaat taatattgca aaaggaattc 720
101 ttttattttt atttttttta aattatactt taagttctag ggtacatgtg cacaacgtgc 780

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## VERIFICATION SUMMARY

DATE: 06/15/2001

PATENT APPLICATION: US/09/866,283

TIME: 17:08:25

Input Set : A:\053560-5001.ST25.txt

Output Set: N:\CRF3\06152001\I866283.raw

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L:22 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:22 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:31 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:31 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
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L:40 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:49 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:49 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:58 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:58 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:67 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:67 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: